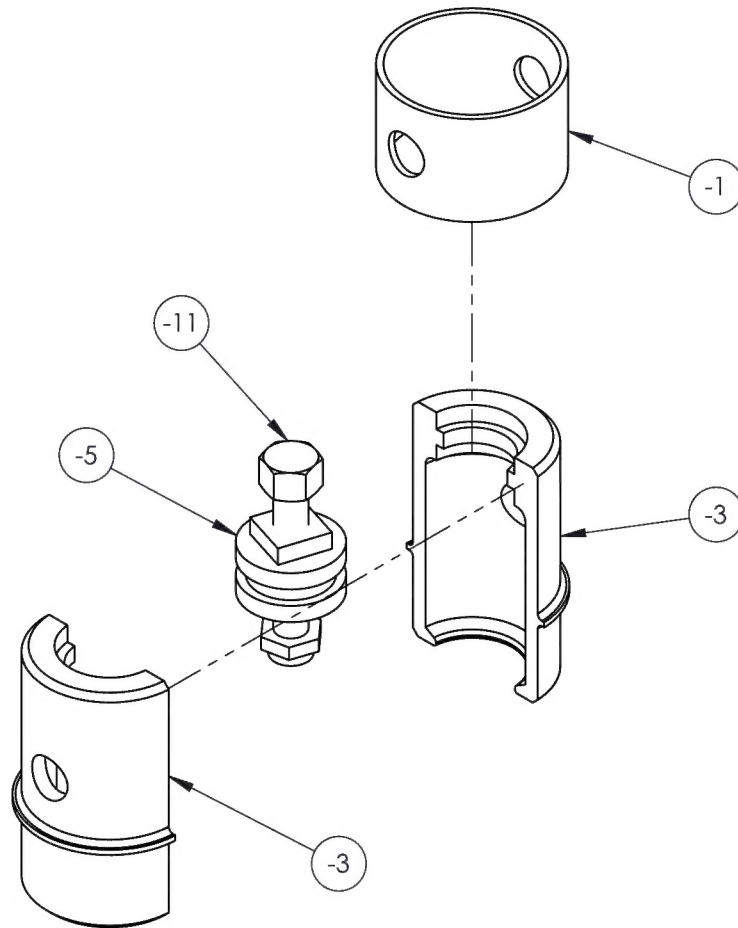


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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



UNDER REVIEW

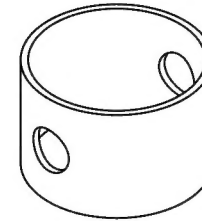
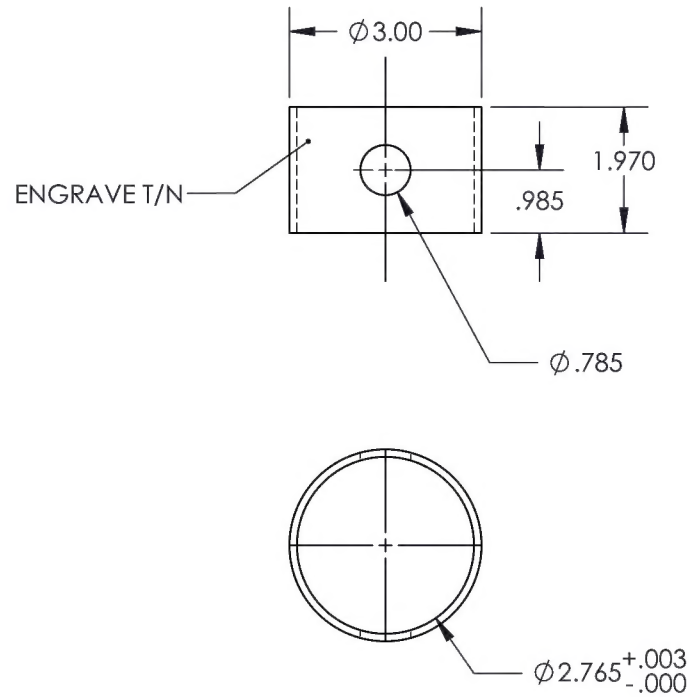
URF 19-1064 19.10.29 (VM)

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SLEEVE	1018	Ø3.0 X 2.0	2
			-3	2	HOLDER	4140 Q & T	Ø2-3/4 X 4-5/8	3
	X		-5	1	SWAGING ASSY			4
	1		-7		INSERT	4140	Ø1-3/4 X 1-3/8	5
	1		-9		BOLT	4140 Q & T	Ø1 X 1/2	6
X	1		-11		WELDMENT			7
1			-13		THREADED ROD	STEEL	M14 X 300 MCMaster-CARR #95245A117 (NEEDS MODIFIED)	8
1		B/O	-15		NUT	STEEL	M14 MCMaster-CARR #90725A730	7

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL EUROCOPTER
SCALE 1:3	DATE 4/19/2011
SHEET 1 OF 8	

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REV	DESCRIPTION	DATE	INITIAL
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UNDER REVIEW

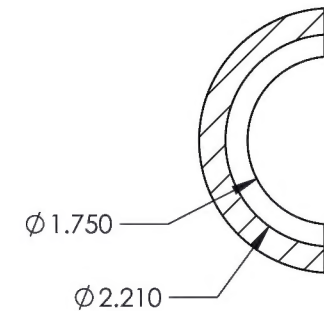
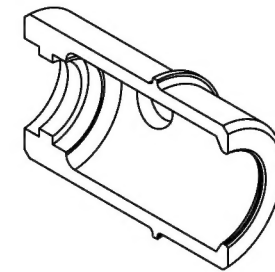
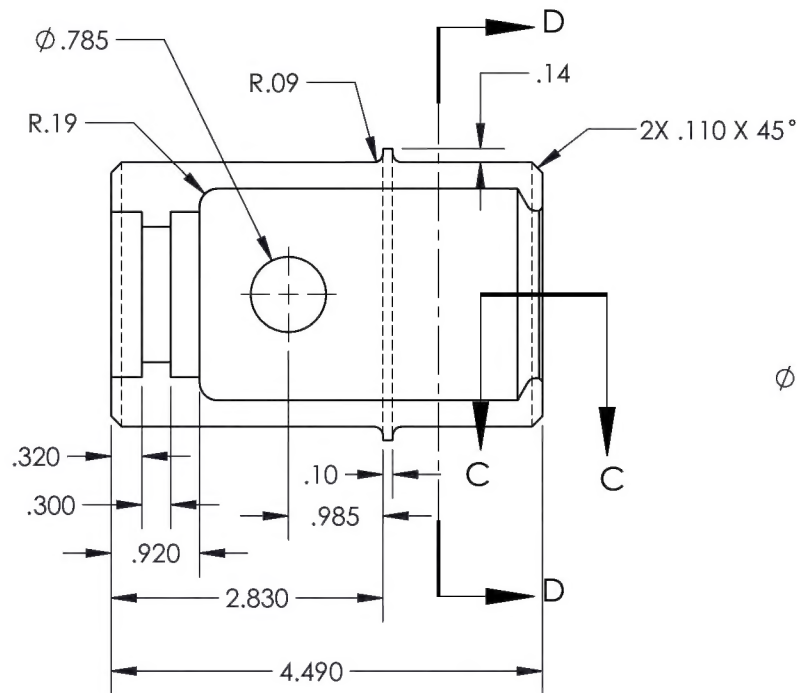
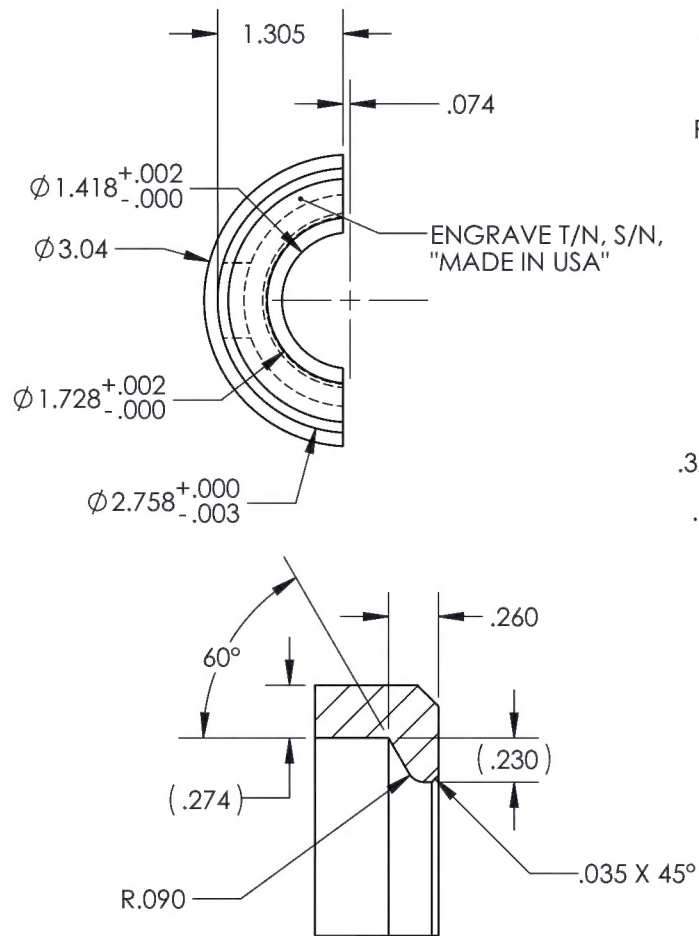
URF 19-1064 19.10.29 (VM)

①
SLEEVE

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501-1	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL EUROCOPTER
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:3	DATE 4/19/2011
SHEET 2 OF 8	

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REV	DESCRIPTION	DATE	INITIAL



(-3)
HOLDER

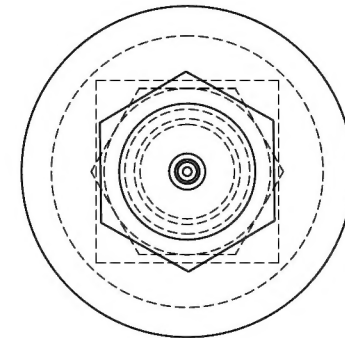
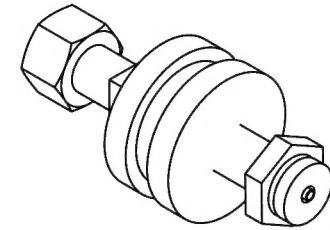
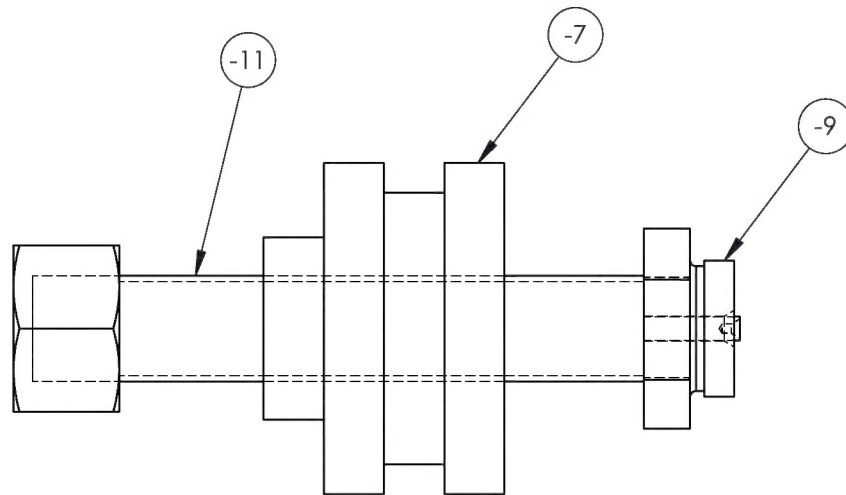
UNDER REVIEW

URF 19-1064 19.10.29 (VM)

RED BARN MACHINE			
TITLE HAFTING LOCK WASHER TOOL			
DWG NO. RBEA93322501-3			REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL EUROCOPTER	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE 1:2 DATE 4/19/2011 SHEET 3 OF 8	

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			APPROVED



NOTE: THREAD -7 ONTO -11, THEN INSTALL -9 AND PEEN END OF -11 OVER, ALLOWING -9 TO ROTATE.

(-5)

SWAGING ASSY

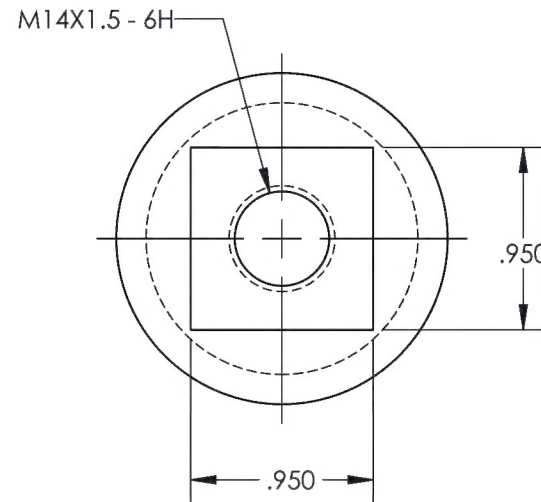
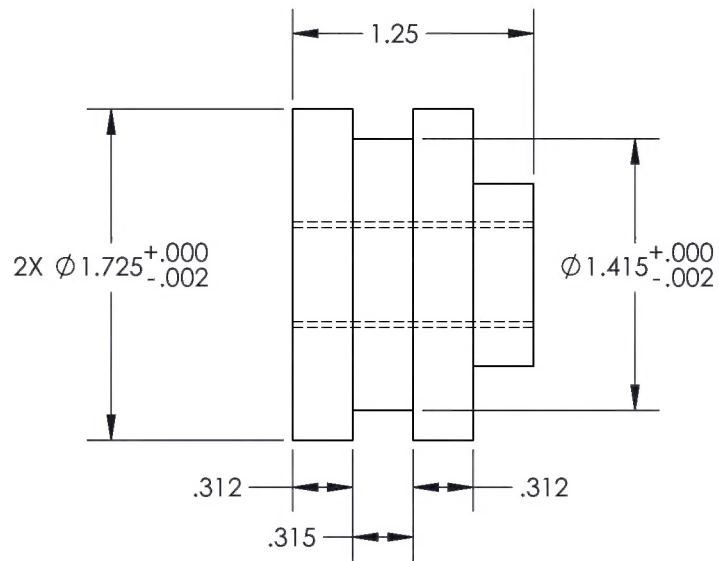
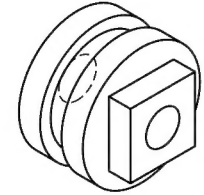
UNDER REVIEW

URF 19-1064 19.10.29 (VM)

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501-5	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC USED ON MODEL EUROCOPTER	
SCALE 1:1	DATE 4/19/2011
SHEET 4 OF 8	

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REV	DESCRIPTION	DATE	INITIAL



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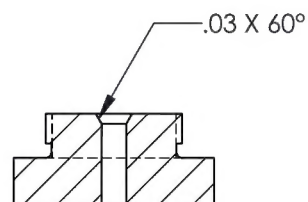
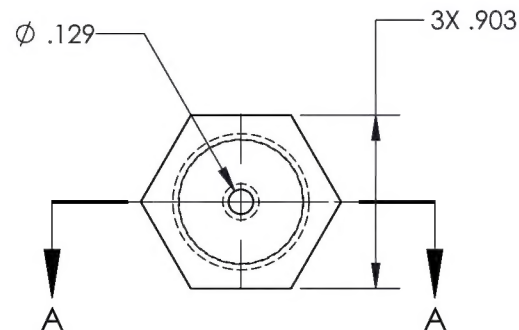
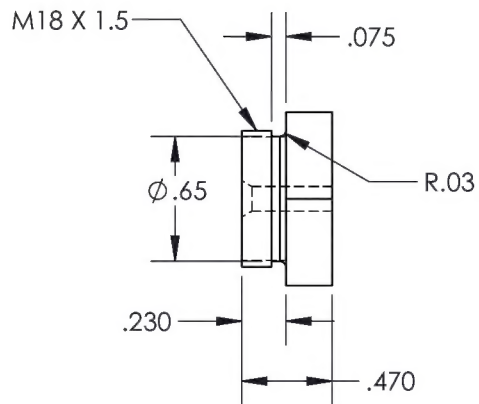
(-7)

INSERT

 RED BARN MACHINE	
TITLE HALFING LOCK WASHER TOOL	
DWG NO. RBEA93322501-7	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT: CAD PLATE YELLOW FINISH: SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL: EUROCOPTER	
SCALE 1:1	DATE 4/19/2011
SHEET 5 OF 8	

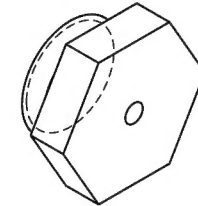
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			APPROVED



SECTION A-A

Ⓟ
BOLT



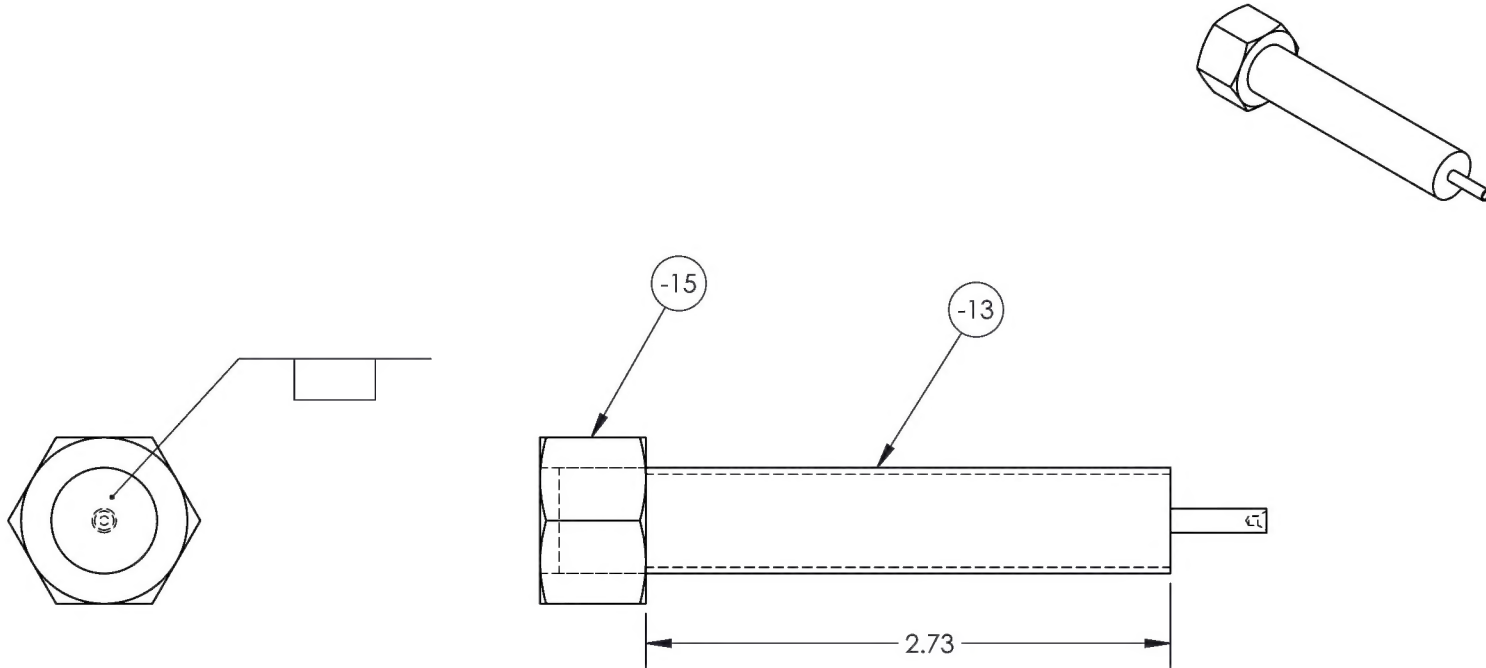
UNDER REVIEW

URF 19-1064 19.10.29 (VM)

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501-9	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL EUROCOPTER	
SCALE 1:1	DATE 4/19/2011
SHEET 6 OF 8	

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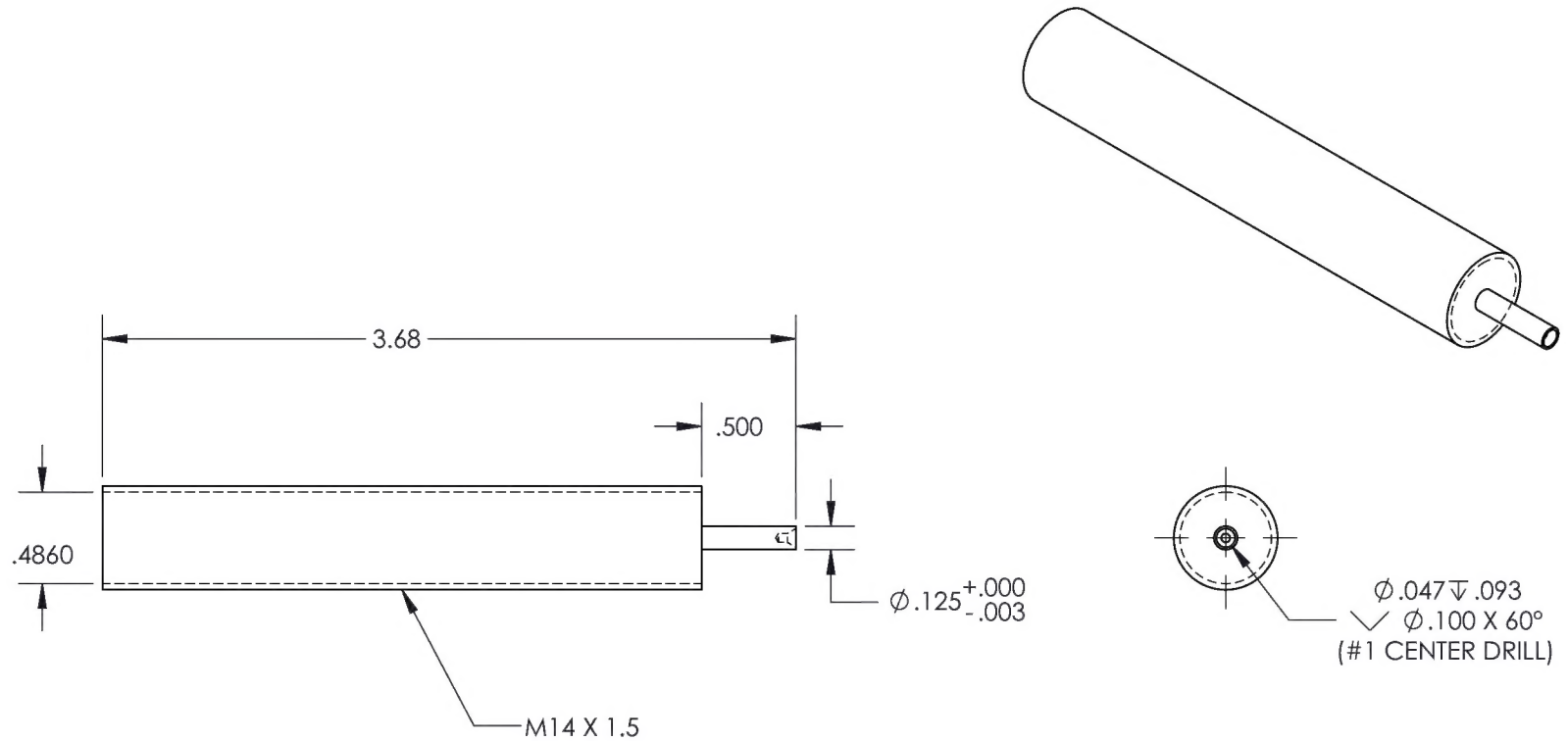
(-11)
WELDMENT

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501-11	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 4/19/2011
SHEET 7 OF 8	

DRAWN BY: GILBERT
APPROVED: *D Weil*
HEAT TREAT:
FINISH:
SPEC:
USED ON MODEL:
EUROCOPTER

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(-13)

THREADED ROD

 RED BARN MACHINE	
TITLE HAFTING LOCK WASHER TOOL	
DWG NO. RBEA93322501-13	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 4/19/2011
SHEET 8 OF 8	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: SPEC: USED ON MODEL: EUROCOPTER	